EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	14	(non$1woven or (non adj woven)) near3 (sheet layer web) and (thermoplastic near3 (sheet layer web)) and (energy adj2 difference)	US-PGPUB; USPAT	OR	ON	2009/05/11 17:55
S2	299	(US-20080140025-$).did. or (US-4279350-$ or US-4361391-$ or US-4914605-$ or US-5603467-$ or US-6234570-$ or US-4256314-$ or US-4323914-$ or US-4379826-$ or US-4392060-$ or US-4450598-$ or US-4482279-$ or US-4512301-$ or US-4512519-$ or US-4515082-$ or US-4534206-$ or US-4566269-$ or US-4614959-$ or US-4615957-$ or US-4628347-$ or US-4768765-$ or US-4792685-$ or US-4794224-$ or US-4796369-$ or US-4811941-$ or US-4833552-$ or US-4841729-$).did. or (US-4865547-$ or US-4928590-$ or US-4964418-$ or US-4974967-$ or US-5176684-$ or US-5183991-$ or US-5274944-$ or US-5308951-$ or US-5313861-$ or US-5320894-$ or US-5355654-$ or US-	US-PGPUB; USPAT	OR	ON	2009/05/11 17:56

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5614747-$ or US-
5638345-$ or US-
5668895-$ or US-
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5815062-$ or US-
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5996764-$ or US-
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6184719-$ or US-
6188774-$ or US-
6211972-$ or US-
6462874-$ or US-
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4266282-$ or US-
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4439989-$ or US-
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4501467-$ or US-
4502466-$ or US-
4509224-$ or US-
4511205-$ or US-
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4626224-$ or US-
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4874109-$ or US-
4903916-$ or US-
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4940348-$ or US-
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5316418-$ or US-
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5622477-$ or US-
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5646911-$ or US-
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5668536-$ or US-
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5772972-$ or US-
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4389675-$ or US-
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4488141-$ or US-
4490039-$ or US-
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4496149-$ or US-
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4502189-$ or US-
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4503856-$ or US-
4516853-$ or US-

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4531956-$ or US-
4533684-$ or US-
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4557520-$ or US-
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4790878-$ or US-
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4792355-$ or US-
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4795505-$ or US-
4804392-$ or US-
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4837555-$ or US-
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4843437-$ or US-
4847901-$ or US-

		4852132-$ or US-4856666-$ or US-4858356-$ or US-4868687-$).did. or (US-4873036-$ or US-4878077-$).did.				
S3	24	(non$1woven or (non adj woven)) near3 (sheet layer web) and (thermoplastic near3 (sheet layer web)) and (energy adj2 differen$4)	US-PGPUB; USPAT	OR	ON	2009/05/11 17:58
S4	14	((non$1woven or (non adj woven)) near3 (sheet layer web) same2 (thermoplastic near3 (sheet layer web))) and (energy adj2 differen$4)	US-PGPUB; USPAT	OR	ON	2009/05/11 18:00
S5	4	((non$1woven or (non adj woven)) near3 (sheet layer web) same (thermoplastic near3 (sheet layer web))) and (energy adj2 differen$4)	US-PGPUB; USPAT	OR	ON	2009/05/11 18:02
S6	0	((non$1woven or (non adj woven)) near3 (sheet layer web) and (thermoplastic near3 (sheet layer web))) and (energy adj2 differen$4) and ((non $1woven or (non adj woven)) with hydrophobic) and (thermoplastic with (hydrophilic))	US-PGPUB; USPAT	OR	ON	2009/05/11 18:06

S7	0	((non$1woven or (non adj woven)) with (sheet layer web) and (thermoplastic with (sheet layer web))) and (energy adj2 differen$4) and ((non $1woven or (non adj woven)) with hydrophobic) and (thermoplastic with (hydrophilic))	US-PGPUB; USPAT	OR	ON	2009/05/11 18:07
S8	2	((non$1woven or (non adj woven)) with (sheet layer web) and (thermoplastic with (sheet layer web))) and (energy adj2 differen$4) and ((non $1woven or (non adj woven)) same hydrophobic) and (thermoplastic same (hydrophilic))	US-PGPUB; USPAT	OR	ON	2009/05/11 18:07
S9	17	("4323069" | "4342246" | "4342314" | "4397644" | "4634440" | "4690679" | "4820294" | "5171238" | "5728085" | "5730737" | "5814034" | "5817085").PN. OR ("6452064").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/11 18:10

S10	13	("4323069" | "4342246" | "4342314" | "4397644" | "4634440" | "4690679" | "4820294" | "5171238" | "5728085" | "5730737" | "5814034" | "5817085").PN. OR ("6452064").URPN. and (energy adj2 differen$4)	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/11 18:11
S11	1	"3592194".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 08:08
S12	30	((non$1woven or (non adj woven)) with (sheet layer web) and (thermoplastic with (sheet layer web))) and (energy adj2 differen$4) and ((non $1woven or (non adj woven)) and hydrophobic) and (thermoplastic and (hydrophilic))	US-PGPUB; USPAT	OR	ON	2009/05/12 08:13
S13	1	"6452064".pn. and (energy adj2 differen $4)	US-PGPUB; USPAT	OR	ON	2009/05/12 08:18
S14	1	"6452064".pn. and (surface adj2 energy)	US-PGPUB; USPAT	OR	ON	2009/05/12 08:20
S15	28	("3344789" | "3403681" | "3703897" | "3814101" | "3886941" | "3927673" | "3929135" | "4626254" | "4798603" | "5188625" | "5281208" | "5415640" | "5478335" |	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 08:21

		"5591149" | "5613960" | "5746729" | "5814389" | "5916661" | "5986167" | "6039906" | "6168849" | "6452064").PN. OR ("7005558").URPN.				
S16	2	((non$1woven or (non adj woven)) with (sheet layer web) and (thermoplastic with (sheet layer web))) and (energy adj2 differen$4) and ((non $1woven or (non adj woven)) same (hydrophobic nonwettable)) and (thermoplastic same (hydrophilic wettable))	US-PGPUB; USPAT	OR	ON	2009/05/12 08:23
S17	8	((non$1woven or (non adj woven)) with (sheet layer web) and (thermoplastic with (sheet layer web))) and (energy adj2 differen$4) and ((non $1woven or (non adj woven)) same2 (hydrophobic nonwettable)) and (thermoplastic same2 (hydrophilic wettable))	US-PGPUB; USPAT	OR	ON	2009/05/12 08:23

S18	1	(((non$1woven or (non adj woven)) with (sheet layer web) same first) and ((thermoplastic with (sheet layer web))) same second) and (energy adj2 differen $4) and (first same (hydrophobic nonwettable)) and (second same (hydrophilic wettable))	US-PGPUB; USPAT	OR	ON	2009/05/12 08:28
S19	81	(((non$1woven or (non adj woven)) with (sheet layer web) same first) and ((thermoplastic with (sheet layer web))) same second) and (first same (hydrophobic nonwettable)) and (second same (hydrophilic wettable))	US-PGPUB; USPAT	OR	ON	2009/05/12 08:28
S20	45	(((non$1woven or (non adj woven)) with (sheet layer web) same first) and ((thermoplastic with (sheet layer web))) same second) and (first with (hydrophobic nonwettable)) and (second with (hydrophilic wettable))	US-PGPUB; USPAT	OR	ON	2009/05/12 08:29

S21	23	(((non$1woven or (non adj woven)) with (sheet layer web) same first) and ((thermoplastic with (sheet layer web))) same second) and (first with (hydrophobic nonwettable)) and (second with (hydrophilic wettable)) and (second with (porous permeable aperture hole vent perforat $4))	US-PGPUB; USPAT	OR	ON	2009/05/12 08:41
S22	23	(((non$1woven or (non adj woven)) with (sheet layer web) same first) and ((thermoplastic with (sheet layer web))) same second) and (first with (hydrophobic nonwettable)) and (second with (hydrophilic wettable)) and (second with (porous permeable aperture hole vent perforat $4)) and (first (recess indentation hole slot cell cavity break))	US-PGPUB; USPAT	OR	ON	2009/05/12 08:46
S23	6	(((non$1woven or (non adj woven)) with (sheet layer web) same first) and ((thermoplastic with (sheet layer web))) same second) and (first with (hydrophobic nonwettable)) and (second with (hydrophilic wettable)) and	US-PGPUB; USPAT	OR	ON	2009/05/12 10:48

		(second with (porous permeable aperture hole vent perforat $4)) and (first (recess indentation hole slot cell cavity break)) and (second with (exposed unmasked uncovered unconcealed visible))				
S24	19	(((non$1woven or (non adj woven)) with (sheet layer web) same first) and ((thermoplastic with (sheet layer web))) same second) and (first with (hydrophobic nonwettable)) and (second with (hydrophilic wettable)) and (second with (porous (liquid adj permeable) aperture hole vent perforat $4)) and (first (recess indentation hole slot cell cavity break))	US-PGPUB; USPAT	OR	ON	2009/05/12 10:53
S25	20	(((non$1woven or (non adj woven)) with (sheet layer web) same first) and ((thermoplastic with (sheet layer web))) same second) and (first with (hydrophobic nonwettable)) and (second with (hydrophilic wettable)) and (second with (porous (liquid adj permeable) (liquid adj pervious) aperture hole vent perforat$4)) and (first (recess	US-PGPUB; USPAT	OR	ON	2009/05/12 10:55

		indentation hole slot cell cavity break))				
S26	2	(((non$1woven or (non adj woven)) with (sheet layer web) same second) and ((thermoplastic with (sheet layer web))) same first) and (second with (hydrophobic nonwettable)) and (first with (hydrophilic wettable)) and (first with (porous (liquid adj permeable) (liquid adj pervious) aperture hole vent perforat$4)) and (second with (recess indentation hole slot cell cavity break))	US-PGPUB; USPAT	OR	ON	2009/05/12 11:20
S27	3	(((non$1woven or (non adj woven)) with (sheet layer web) same first) and ((thermoplastic with (sheet layer web))) same second) and (first with (hydrophobic nonwettable)) and (second with (hydrophilic wettable)) and (second with (porous (liquid adj permeable) (liquid adj pervious) aperture hole vent perforat$4)) and (first with (recess indentation hole slot cell cavity break))	US-PGPUB; USPAT	OR	ON	2009/05/12 11:20

S28	20	(((non$1woven or (non adj woven)) with (sheet layer web) same first) and ((thermoplastic with (sheet layer web))) same second) and (first with (hydrophobic nonwettable)) and (second with (hydrophilic wettable)) and (second with (porous (liquid adj permeable) (liquid adj pervious) aperture hole vent perforat$4))	US-PGPUB; USPAT	OR	ON	2009/05/12 11:21
S29	11	("4421511" | "5306266" | "5417680" | "5462541" | "5520674" | "5624422" | "5674213" | "5676661" | "6017336" | "6022338" | "6133501").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 11:27
S30	7	("4421511" | "5306266" | "5417680" | "5462541" | "5520674" | "5624422" | "5674213" | "5676661" | "6017336" | "6022338" | "6133501").PN. and (hydrophilic wettable) and (hydrophobic nonwettable)	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 11:30

S31	12	(((non$1woven or (non adj woven)) with (sheet layer web) same first) and ((thermoplastic with (sheet layer web))) same second) and (first with (hydrophobic nonwettable)) and (second with (hydrophilic wettable)) and topsheet	US-PGPUB; USPAT	OR	ON	2009/05/12 11:31
S32	15	("4397644" | "4634440" | "5342334" | "5352217" | "5383870" | "5387209").PN. OR ("5449352").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 11:39
S33	33	("0808433" | "3157178" | "3279465" | "3824996" | "3871378" | "3888248" | "3929135" | "3967623" | "3968803" | "4282874" | "4341216" | "4347844" | "4400832" | "4645500" | "4665909" | "4681577" | "4829987" | "4835795" | "4937273" | "5009652" | "5054129" | "5060315" | "5281208" | "5348547" | "5352217" | "5429593" | "5449352" | "5478335" | "5681579" |	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 11:45

		"6162960").PN. OR ("6849775").URPN.				
S34	7	(((non$1woven or (non adj woven)) with (sheet layer web) same first) and ((thermoplastic with (sheet layer web))) same second) and (first with (hydrophobic nonwettable)) and (second with (hydrophilic wettable)) and (first with (aperture hole vent perforat$4 opening orifice outlet passage recess cavity)) and (second with (porous (liquid adj permeable) (liquid adj pervious)))	US-PGPUB; USPAT	OR	ON	2009/05/12 11:54
S35	7	(((non$1woven or (non adj woven)) with (sheet layer web) same first) and ((thermoplastic with (sheet layer web))) same second) and (first with (hydrophobic nonwettable)) and (second with (hydrophilic wettable)) and (first with (aperture hole vent perforat$4 opening orifice outlet passage recess cavity)) and (second with (porous ((liquid fluid) adj permeable) ((liquid fluid) adj pervious)))	US-PGPUB; USPAT	OR	ON	2009/05/12 11:59

S36	2	((non$1woven or (non adj woven)) with (sheet layer web) and (thermoplastic with (sheet layer film))) and (energy adj2 differen$4) and ((non $1woven or (non adj woven)) same hydrophobic) and (thermoplastic same (hydrophilic))	US-PGPUB; USPAT	OR	ON	2009/05/12 12:38
S37	0	((non$1woven or (non adj woven)) with (sheet layer web) and (thermoplastic with (film))) and (energy adj2 differen$4) and ((non$1woven or (non adj woven)) same hydrophobic) and (thermoplastic same (hydrophilic))	US-PGPUB; USPAT	OR	ON	2009/05/12 12:39
S38	2	(((non$1woven or (non adj woven)) with (sheet layer web) same first) and ((thermoplastic with (film))) same second) and (first with (hydrophobic nonwettable)) and (second with (hydrophilic wettable)) and (first with (aperture hole vent perforat$4 opening orifice outlet passage recess cavity)) and (second with (porous ((liquid fluid) adj permeable) ((liquid fluid) adj pervious)))	US-PGPUB; USPAT	OR	ON	2009/05/12 12:40

S39	53	(((non$1woven or (non adj woven)) with (sheet layer web) same first) and ((second with (film layer sheet)))) and (first with (hydrophobic nonwettable)) and (second with (hydrophilic wettable)) and (first with (aperture hole vent perforat$4 opening orifice outlet passage recess cavity)) and (second with (porous ((liquid fluid) adj permeable) ((liquid fluid) adj pervious)))	US-PGPUB; USPAT	OR	ON	2009/05/12 15:24
S40	20	(((non$1woven or (non adj woven)) with (sheet layer web) same first) and ((second with (film)))) and (first with (hydrophobic nonwettable)) and (second with (hydrophilic wettable)) and (first with (aperture hole vent perforat$4 opening orifice outlet passage recess cavity)) and (second with (porous ((liquid fluid) adj permeable) ((liquid fluid) adj pervious)))	US-PGPUB; USPAT	OR	ON	2009/05/12 15:26

S41	14	(((non$1woven or (non adj woven)) with (hydrophilic wettable)) and ((second with (film)))) and (first with (hydrophobic nonwettable)) and (second with (hydrophilic wettable)) and (first with (aperture hole vent perforat$4 opening orifice outlet passage recess cavity)) and (second with (porous ((liquid fluid) adj permeable) ((liquid fluid) adj pervious)))	US-PGPUB; USPAT	OR	ON	2009/05/12 15:47
S42	147	((nonwoven or (non adj woven)) with (hydrophilic nonwettable)) and (film with (hydrophilic wettable)) and ((nonwoven or (non adj woven)) with (aperture hole vent perforat$4 opening orifice outlet passage recess cavity)) and (film with (porous ((liquid fluid) adj permeable) ((liquid fluid) adj pervious)))	US-PGPUB; USPAT	OR	ON	2009/05/12 15:51
S43	144	((nonwoven or (non adj woven)) with (hydrophilic nonwettable)) and (film with (hydrophilic wettable)) and ((nonwoven or (non adj woven)) with (aperture hole vent perforat$4 opening orifice outlet passage recess cavity)) and	US-PGPUB; USPAT	OR	ON	2009/05/12 15:54

		(film with (porous ((liquid fluid) adj permeable) ((liquid fluid) adj pervious))) and ((nonwoven or (non adj woven)) with (sheet web layer))					
S44	113	((nonwoven or (non adj woven)) with (hydrophilic nonwettable)) and (film with (hydrophilic wettable)) and ((nonwoven or (non adj woven)) with (aperture hole vent perforat$4 opening orifice outlet passage recess cavity)) and (film with (porous ((liquid fluid) adj permeable) ((liquid fluid) adj pervious))) and ((nonwoven or (non adj woven)) adj4 (sheet web layer))	US-PGPUB; USPAT	OR	ON	2009/05/12 15:55
S45	86	((nonwoven or (non adj woven)) with (hydrophilic nonwettable)) and (film with (hydrophilic wettable)) and ((nonwoven or (non adj woven)) with (aperture hole vent perforat$4 opening orifice outlet passage recess cavity)) and (film with (porous ((liquid fluid) adj permeable) ((liquid fluid) adj pervious))) and ((nonwoven or (non adj woven)) adj2 (sheet web layer))	US-PGPUB; USPAT	OR	ON	2009/05/12 15:55

S46	15	((nonwoven or (non adj woven)) with (hydrophilic nonwettable)) and ((hydrophilic wettable) adj4 film) and ((nonwoven or (non adj woven)) with (aperture hole vent perforat$4 opening orifice outlet passage recess cavity)) and (film with (porous ((liquid fluid) adj permeable) ((liquid fluid) adj pervious))) and ((nonwoven or (non adj woven)) adj2 (sheet web layer))	US-PGPUB; USPAT	OR	ON	2009/05/12 15:56
S50	1	"5591149".pn. and hydrophobic	US-PGPUB; USPAT	OR	ON	2009/05/12 16:05
S51	182	(first with (hydrophobic nonwettable)) and (second with (hydrophilic wettable)) and (first with (aperture hole vent perforat$4 opening orifice outlet passage recess cavity)) and (second with (porous ((liquid fluid) adj permeable) ((liquid fluid) adj pervious)))	US-PGPUB; USPAT	OR	ON	2009/05/12 16:07

S52	22	(first with (hydrophobic nonwettable)) and (second with (hydrophilic wettable)) and (first with (aperture hole vent perforat$4 opening orifice outlet passage recess cavity)) and (second with (porous ((liquid fluid) adj permeable) ((liquid fluid) adj pervious))) and topsheet	US-PGPUB; USPAT	OR	ON	2009/05/12 16:07
S53	7	("5437653" | "5486167").PN. OR ("5885267").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 16:15
S54	115	((first top upper) with (hydrophobic nonwettable)) and ((second lower bottom) with (hydrophilic wettable)) and ((first top upper) with (aperture hole vent perforat$4 opening orifice outlet passage recess cavity)) and ((second lower bottom) with (porous ((liquid fluid) adj permeable) ((liquid fluid) adj pervious))) and topsheet	US-PGPUB; USPAT	OR	ON	2009/05/12 16:19

| S55 | 121 | ((first top upper) with (hydrophobic nonwettable)) and ((second lower bottom) with (hydrophilic wettable)) and ((first top upper) with (aperture hole vent perforat$4 opening orifice outlet passage recess cavity)) and ((second lower bottom intermediate) with (porous ((liquid fluid) adj permeable) ((liquid fluid) adj pervious))) and topsheet | US-PGPUB; USPAT | OR | ON | 2009/05/12 16:37 |
| S56 | 219 | ("2391621" \| "2576914" \| "3020178" \| "3165485" \| "3224926" \| "3287149" \| "3339550" \| "3417040" \| "3455778" \| "3485706" \| "3489148" \| "3494821" \| "3520842" \| "3556932" \| "3556933" \| "3629171" \| "3695269" \| "3700623" \| "3765997" \| "3772076" \| "3809089" \| "3812000" \| "3838692" \| "3885158" \| "3899388" \| "3929135" \| "3967623" \| "3976734" \| "4041951" \| "4100324" \| "4113911" \| "4117199" \| | US-PGPUB; USPAT; USOCR | OR | ON | 2009/05/12 16:47 |

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S57	0	"5990377".pn. and "Fig. 5"	US-PGPUB; USPAT	OR	ON	2009/05/12 17:56
S58	1	"5990377".pn. and "5"	US-PGPUB; USPAT	OR	ON	2009/05/12 17:56

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